

Amendment to the Claims:

Please amend claims 1-7, 9-17, 19, and 21, and cancel claims 8, 18, and 20 without prejudice as follows:

1. (Currently amended) A remote control system of a home network, comprising:
a device control processing unit ~~as a local CP (control point) for;~~
including a home network view ~~having~~ comprising a list of plural a plurality of
controlled devices, ~~each device state of each device,~~ a list of subscribed event ~~list~~
events, a list of service request ~~list, etc.,~~ requests;
processing a possible service request~~[[,]]~~;
changing a service request from a remote access service unit into at least one
UPnP (universal plug and play) message or changing a message from a UPnP device
into a notification request ~~in case of need;~~ and
transmitting it the UpnP message or the notification request to ~~[[a]]~~ the remote
access service unit.
2. (Currently amended) The remote control system of claim 1, wherein the device
control processing unit includes a local CP (control point).
3. (Currently amended) The remote control system of claim 1, wherein the device
control processing unit includes ~~each~~ the local CP for each remote terminal.
4. (Currently amended) The remote control system of claim 1, wherein the device
control processing unit ~~has~~ includes the local CP ~~per~~ for each type of the device kinds.
5. (Currently amended) A remote control system of a home network, comprising:
a remote access service unit for;
receiving a user's web request from a remote terminal service unit;
transmitting it the web request to a device control processing unit by converting it
the web request into a ~~corresponded~~ corresponding service request according to
contents of the web request; and

transmitting a web response for a pertinent remote terminal to the remote terminal service unit by having a service view ~~consisting of a set of~~ comprising at least one web document,

wherein the remote access service unit includes a profile database comprising:

a list of devices preferred by the user;

a list of requested events;

performance of the remote access terminal including a screen size and a type of an input device;

network provider's network bandwidth and services available from the provider;

and

user access priority for each device.

6. (Currently amended) The remote control system of claim 5, wherein the service view ~~consists of a set of~~ comprises at least one web document connected ~~with~~ to each other ~~such as~~ , and the web document includes a home network device state and control page, a device list page, and a user option page.

7. (Currently amended) The remote control system of claim 5, wherein the remote access service unit ~~includes a profile database~~, determines ~~[[a]]~~ the service view of a remote access service according to service-related information recorded in ~~[[a]]~~ the profile database, and provides various remote access services to ~~[[a]]~~ the user and ~~[[a]]~~ the remote terminal ~~with reference~~ referring to the service view.

8. (Canceled)

9. (Currently amended) The remote control system of claim 5, wherein the remote access service unit includes a ~~home network collision solving mechanism performed in~~ for solving home network collision, in case multiple remote terminals simultaneously access the remote access service unit, to solve the home network collision at a home network level, a device level, an operation level, or performed in a mixed level mixing a ~~comprising the device level with an~~ and the operation level.

10. (Currently amended) The remote control system of claim 9, wherein the ~~home network collision-solving mechanism performed in the operation level~~ the remote access service unit solves a collision problem at the operation level, according to a user priority rank, a ~~remote access contact~~ an order of remote access connection, and an operation order of operation.

11. (Currently amended) The remote control system of claim 9, wherein the ~~home network collision-solving mechanism~~ for solving the home network collision is stored in the device access database ~~[[in]]~~ of the profile database.

12. (Currently amended) The remote control system of claim 11, wherein the device access database includes a device access priority table ~~recording priority per users about~~ , in which a user's access priority is recorded for all devices in the home network,
wherein a first user with a higher priority rank has priority over a second user with a lower priority rank when the first user and the second user collide at a device recorded in the table.

13. (Currently amended) The remote control system of claim 11, wherein the device access database includes a ~~sharing~~ share type table ~~by device's operations indicating access possibility from~~ accessibility to a device by other users ~~[[in]]~~ while performing of a specific operation ~~supported by a~~ of the device is being performed by the user,
wherein the other users can access the device being operated by the user depending on the accessibility of the other users indicated in the table.

14. (Currently amended) The remote control system of claim 11, wherein the device access database ~~records~~ includes an access authority table, which lists access authority by ~~priorities about~~ priority ranks for operations supported by each device.

15. (Currently amended) The remote control system of claim 11, wherein the device access database ~~records~~ includes an access authority table, which lists access authority by ~~users about~~ user ranks for operations supported by each device.

16. (Currently amended) ~~[[A]] The remote control system of a home network,~~
~~comprising: claim 5,~~

~~wherein ~~[[a]] the~~ remote terminal service unit ~~is included~~ for:~~

~~performing mutual communication as web request/response with ~~[[a]] the~~ remote terminal by having ~~via~~ a built-in web server;~~

~~transmitting ~~[[a]] the~~ web request from ~~[[a]] the~~ user to a remote access service unit; and~~

~~transmitting ~~[[a]] the~~ web response ~~as a web document form generated with reference to a recent service view~~ from the remote access service unit to ~~[[a]] the~~ remote terminal;~~

~~wherein the web response comprises a web document form generated referring to the recent service view.~~

17. (Currently amended) A remote control system of a home network, comprising:

a device control processing unit ~~operated~~ operating as a CP (control point) for mutual operation with plural a plurality of devices and controlling the plurality of devices according to a service request from a remote terminal;

a remote access service unit for notifying the device control processing unit of the service request from the remote terminal; and

a remote terminal service unit for ~~converting the user request from the remote terminal into a service request~~, transmitting it the service request to the remote access service unit and transmitting a response from the remote access service unit to a pertinent terminal;

a setup module for initializing the device control processing unit and a profile database of the remote access service unit; and

a communication module for providing asynchronous notification functions comprising e-mail, voice telephone, and SMS (short message service).

18. (Canceled)

19. (Currently amended) A remote control system of a home network, comprising:
a local home network in which plural devices are connected;
a remote terminal for controlling the local home network ~~in~~ from a remote place;
and
a remote access server ~~having a function which functions~~ as a local CP (control point) and ~~transmitting/receiving request/answer to/from~~ transmits a request to the remote control, or receives an answer from the remote terminal,
wherein the remote access server is included in the local home network or an internet provider server.

20. (Canceled)

21. (Currently amended) The remote control system of claim 19, wherein the remote access server acquires state information of plural a plurality of devices connected to the local home network with reference to a device list to be controlled, a ~~subscribed event~~ list of subscribed events and a service request list; and controls the plural plurality of devices by processing request/response with the remote terminal.